

**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

620-527

10/585,864

APPLICANT

Patrick Dawson BAILEY

(Use several sheets if necessary)

FILING DATE

GROUP

July 11, 2006

1654

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	Meredith et al, "4-Aminomethylbenzoic acid is a non-translocated competitive inhibitor of the epithelial peptide transporter PepT1", <b>Journal of Physiology</b> , 1998, <b>512</b> , 3, pp 629-634.
	Pieri et al, "Site-directed mutagenesis of Arginine282 suggests how protons and peptides are co-transported by rabbit PepT1", <b>International Journal of Biochemistry &amp; Cell Biology</b> , 2008, <b>40</b> , pp 721-730.
	Hidalgo et al, "Characterization of the Human Colon Carcinoma Cell Line (Caco-2) as a Model System for Intestinal Epithelial Permeability", <b>Gastroenterology</b> , 1989, <b>96</b> , pp 736-749.
	Lister et al, "Dipeptide transport and hydrolysis in isolated loops of rat small intestine: effects of stereospecificity", <b>Journal of Physiology</b> , 1995, <b>484.1</b> , pp 173-182.
	Li et al, "Molecular modeling study of structural requirements for the oligopeptide transporter", <b>Journal of Drug Targeting</b> , 1996, <b>4</b> , 1, pp 9-17.
	Swaan et al, "Molecular Determinants of Recognition for the Intestinal Peptide Carrier", <b>Journal of Pharmaceutical Sciences</b> , 1997, <b>86</b> , No. 5, pp 596-602.
	Daniel, "Molecular and Integrative Physiology of Intestinal Peptide Transport", <b>Annu. Rev. Physiol.</b> , 2004, <b>66</b> , pp 361-384.
	Brandsch et al, "Pharmaceutical and pharmacological importance of peptide transporters", <b>Journal of Pharmacy and Pharmacology</b> , 2008, <b>60</b> , pp 543-585.
	Bailey et al, "How to Make Drugs Orally Active: A Substrate Template for Peptide Transporter PepT1", <b>Angewandte Chemie, Int. Ed. Engl.</b> , 2000, <b>39</b> , No. 3, pp 506-508
	Bailey et al, "Affinity prediction for substrates of the peptide transporter PepT1", <b>Chemical Communications</b> , 2006, pp 323-325
	Thomsen et al, "Acyclovir prodrug for the intestinal di/tri-peptide transporter PEPT1: comparison of in vivo bioavailability in rats and transport in Caco-2 cells", <b>European Journal of Pharmaceutical Science</b> , 2004, <b>23</b> , pp 319-325.

*Examiner	Date Considered
-----------	-----------------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

620-527

10/585,864

APPLICANT

Patrick Dawson BAILEY

(Use several sheets if necessary)

FILING DATE

GROUP

July 11, 2006

1654

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

						TRANSLATION	
DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	Nakamura et al, "Stereochemistry and Total Synthesis of Dolastatin E", Tetrahedron Letters, Vol. 36, No. 28, 1995, pages 5059-5062
	McKeever et al, "Total synthesis of the prenylated cyclopeptide trunkamide A, a cytotoxic metabolite from <i>Lissoclinum</i> sp.", Tetrahedron Letters 42 (2001) 2573-2577
	Le et al, "Design of potent dynorphin A-(1-9) analogues devoid of supraspinal motor effects in mice", Canadian Journal of Physiology and Pharmacology, Vol. 75, No. 1, 1997, pages 9-14
	Clausen et al, "Studies on Amino Acids and Peptides. Part 6. <sup>1</sup> Methods for Introducing Thioamide Bonds into the Peptide Backbone: Synthesis of the Four Monothio Analogues of Leucine Enkephalin", Journal of The Chemical Society Perkin Transactions I, No. 4, 1984, pages 785-798
	Lehmann et al, "Synthesis of Endothiopeptides and Their Cyclization to 1,3-Thiazol-5(4H)-imines", Helvetica Chimica Acta 1999 Switzerland, Vol. 82, No. 11, 1999, pages 1899-1915
	Zacharie et al, "Thioamides: Synthesis, Stability, and Immunological Activities of Thioanalogues of Imreg. Preparation of New Thioacylating Agents Using Fluorobenzimidazolone Derivatives", Journal of Medicinal Chemistry, Vol. 42, No. 11, 1999, pages 2046-2052
	Lajoie et al, "Facile Regioselective Formation of Thiopeptide Linkages from Oligopeptides with New Thionation Reagents", Tetrahedron Letters, Vol. 24, No. 36, 1983, pages 3815-3818
	Brown et al, "Mono- and Dithionopeptide Synthesis", Tetrahedron Letters, Vol. 28, No. 19, 1987, pages 2171-2174

Examiner	Date Considered
----------	-----------------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

620-527

10/585,864

APPLICANT

Patrick Dawson BAILEY

(Use several sheets if necessary)

FILING DATE

GROUP

July 11, 2006

1654

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	Zacharie et al, "Thioacylating Agents. Use of Thiobenzimidazolone Derivatives for the Preparation of Thiotuftsins Analogs", Tetrahedron, Vol. 49, No. 46, 1993, pages 10489-10500
	La Cour, "Stereochemistry of peptides containing a thioacyl group", International Journal of Peptide and Protein Research, Vol. 30, No. 4, 1987, pages 564-571
	Elmore et al, "Thioesters of Amino Acid Derivatives as Thioacylating Agents in Thiopeptide Synthesis", Journal of the Chemical Society, Perkin Transactions 1, No. 5, 1988 pages 1051-1055
	Campbell et al, "Carboxypeptidase A Catalyzed Hydrolysis of Thiopeptide and Thionester Analogues of Specific Substrates. An Effect on $k_{cat}$ for Peptide, but Not Ester, Substrates", Journal of the American Chemical Society, Vol. 104, No. 19, 1982, pages 5221-5226
	Lehmann et al, "Site-Selective Incorporation of Thioamide-Linkages into a Growing Peptide", Tetrahedron, Vol. 55, No. 17, 1999, pages 5359-5376
	Yao et al, "Endothiopeptide Inhibitors of HIV-1 Protease", Bioorganic & Medicinal Chemistry Letters, Vol. 8, No. 6, 1998, pages 699-704
	McKeever et al, "Total synthesis of trunkamide A, a novel thiazoline-based prenylated cyclopeptide metabolite from <i>Lissoclinum</i> sp." Tetrahedron, Vol. 59, No. 15, 2003, pages 2713-2727

*Examiner	/Ronald Niebauer/	Date Considered	06/02/2010
-----------	-------------------	-----------------	------------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)